

| Ref # | Hits | Search Query  | DBs   | Default Operator | Plurals | Time Stamp       |
|-------|------|---|---|------------------|---------|------------------|
| S1    | 1    | ("20040035153").PN.   | US-PGPUB;<br>USPAT                          | OR               | OFF     | 2005/08/13 10:00 |
| S2    | 1    | ("5942356").PN.   | US-PGPUB;<br>USPAT                          | OR               | OFF     | 2005/08/12 14:45 |
| S3    | 4    | (mask or photomask or reticle) same glass near2 (blank or base or substrate) same (polish\$3 or abra\$4 or grind\$3) same (colloid\$2) near2 (silica or silicon dioxide or SiO".sub.2")             | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>IBM_TDB | ADJ              | ON      | 2005/08/13 13:49 |
| S4    | 0    | (mask or photomask or reticle) same glass near2 (blank or base or substrate) same (polish\$3 or abra\$4 or grind\$3) same (colloid\$2) same (silica or silicon dioxide or SiO".sub.2") not S3       | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>IBM_TDB | ADJ              | ON      | 2005/08/13 13:49 |
| S5    | 16   | (mask or photomask or reticle) same glass same (blank or base or substrate) same (polish\$3 or abra\$4 or grind\$3) same (colloid\$2) same (silica or silicon dioxide or SiO".sub.2") not S3 not S4 | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>IBM_TDB | ADJ              | ON      | 2005/08/13 13:50 |
| S6    | 2301 | ((mask or photomask or reticle) near3 (phase or shift\$3 or reflect\$3 or extreme ultraviolet or extreme UV or EUV) or PSM) same glass not S3 not S4 not S5   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>IBM_TDB | ADJ              | ON      | 2005/08/13 14:09 |
| S7    | 74   | S6 and glass same (polish\$3 or abra\$4 or grind\$3) same (silica or silicon dioxide or SiO".sub.2" or SiO\$6)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>IBM_TDB | ADJ              | ON      | 2005/08/13 14:11 |
| S8    | 131  | S6 and glass same (polish\$3 or abra\$4 or grind\$3) not S7   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>IBM_TDB | ADJ              | ON      | 2005/08/13 14:25 |
| S9    | 1790 | 430/5.ccls. and (mask or photomask or reticle) same glass same (blank or base or substrate) not S3 not S5 not S7 not S8   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>IBM_TDB | ADJ              | ON      | 2005/08/13 14:20 |
| S10   | 500  | S6 and S9   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>IBM_TDB | ADJ              | ON      | 2005/08/13 14:21 |
| S11   | 4    | S10 and (polish\$3 or abra\$4 or grind\$3) same (silica or silicon dioxide or SiO".sub.2" or SiO\$6) not S3 not S5 not S7 not S8  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>IBM_TDB | ADJ              | ON      | 2005/08/13 14:28 |

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| S12 | 546  | (451/36,37,41,42,390.ccls. or 65/60.1, 61.ccls. or 427/160,165,290,292.ccls.) and (colloid\$2) same (silica or silicon dioxide or SiO".sub.2" or SiO\$6) not S3 not S5 not S7 not S8 not S11 | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>IBM_TDB | ADJ | ON | 2005/08/13 14:36 |
| S13 | 458  | S12 and (polish\$3 or abra\$4 or grind\$3) same (colloid\$2) same (silica or silicon dioxide or SiO".sub.2" or SiO\$6)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>IBM_TDB | ADJ | ON | 2005/08/13 14:46 |
| S14 | 3    | S13 and hydroly\$4 same (organosilicon or organo silicon or organic silicon or organic Si) same (colloid\$2) same (silica or silicon dioxide or SiO".sub.2" or SiO\$6)                       | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>IBM_TDB | ADJ | ON | 2005/08/13 14:44 |
| S15 | 386  | S13 and (polish\$3 or abra\$4 or grind\$3) same (pressure or force or load) not S14  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>IBM_TDB | ADJ | ON | 2005/08/13 14:49 |
| S16 | 49   | S15 and (pressure or force or load) same glass   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>IBM_TDB | ADJ | ON | 2005/08/13 14:50 |
| S17 | 1346 | 51/308.ccls. not S3 not S5 not S7 not S8 not S11 not S14 not S16   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>IBM_TDB | ADJ | ON | 2005/08/13 14:52 |
| S18 | 2    | S17 and hydroly\$4 same (organosilicon or organo silicon or organic silicon or organic Si) same (colloid\$2) same (silica or silicon dioxide or SiO".sub.2" or SiO\$6)                       | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>IBM_TDB | ADJ | ON | 2005/08/13 14:54 |
| S19 | 3    | S17 and hydroly\$4 same (organosilicon or organo silicon or organic silicon or organic Si) not S18   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>IBM_TDB | ADJ | ON | 2005/08/13 14:58 |
| S20 | 67   | S17 and hydroly\$4 with (silica or silicon dioxide or SiO".sub.2" or SiO\$6) not S18 not S19   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>IBM_TDB | ADJ | ON | 2005/08/13 15:00 |
| S21 | 5    | S20 and hydroly\$4 same (silicon or Si) with (organic or polymer) not S18 not S19  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>IBM_TDB | ADJ | ON | 2005/08/13 15:04 |
| S22 | 3    | S20 and hydroly\$4 same (silicon or Si) same (organic or polymer) not S21  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>IBM_TDB | ADJ | ON | 2005/08/13 15:04 |
| S23 | 12   | (Kesahiro near2 Koike or Junji near2 Miyagaki).in. not S3 not S5 not S7 not S8 not S14 not S16 not S18 not S19 not S21 not S22   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>IBM_TDB | ADJ | ON | 2005/08/13 15:20 |

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| S24 | 4    | (mask or photomask or reticle) same glass near2 (blank or base or substrate) same (polish\$3 or abra\$4 or grind\$3) same (colloid\$2) near2 (silica or silicon dioxide or SiO".sub.2")               | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>IBM_TDB | ADJ | ON | 2005/08/13 15:24 |
| S25 | 0    | (mask or photomask or reticle) same glass near2 (blank or base or substrate) same (polish\$3 or abra\$4 or grind\$3) same (colloid\$2) same (silica or silicon dioxide or SiO".sub.2") not S24        | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>IBM_TDB | ADJ | ON | 2005/08/13 15:24 |
| S26 | 16   | (mask or photomask or reticle) same glass same (blank or base or substrate) same (polish\$3 or abra\$4 or grind\$3) same (colloid\$2) same (silica or silicon dioxide or SiO".sub.2") not S24 not S25 | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>IBM_TDB | ADJ | ON | 2005/08/13 15:24 |
| S27 | 2301 | ((mask or photomask or reticle) near3 (phase or shift\$3 or reflect\$3 or extreme ultraviolet or extreme UV or EUV) or PSM) same glass not S24 not S25 not S26  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>IBM_TDB | ADJ | ON | 2005/08/13 15:24 |
| S28 | 74   | S27 and glass same (polish\$3 or abra\$4 or grind\$3) same (silica or silicon dioxide or SiO".sub.2" or SiO\$6)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>IBM_TDB | ADJ | ON | 2005/08/13 15:24 |
| S29 | 131  | S27 and glass same (polish\$3 or abra\$4 or grind\$3) not S28   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>IBM_TDB | ADJ | ON | 2005/08/13 15:24 |
| S30 | 1790 | 430/5.ccls. and (mask or photomask or reticle) same glass same (blank or base or substrate) not S24 not S26 not S28 not S29   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>IBM_TDB | ADJ | ON | 2005/08/13 15:24 |
| S31 | 500  | S27 and S30   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>IBM_TDB | ADJ | ON | 2005/08/13 15:24 |
| S32 | 4    | S31 and (polish\$3 or abra\$4 or grind\$3) same (silica or silicon dioxide or SiO".sub.2" or SiO\$6) not S24 not S26 not S28 not S29  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>IBM_TDB | ADJ | ON | 2005/08/13 15:24 |
| S33 | 546  | (451/36,37,41,42,390.ccls. or 65/60.1, 61.ccls. or 427/160,165,290,292.ccls.) and (colloid\$2) same (silica or silicon dioxide or SiO".sub.2" or SiO\$6) not S24 not S26 not S28 not S29 not S32      | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>IBM_TDB | ADJ | ON | 2005/08/13 15:24 |
| S34 | 458  | S33 and (polish\$3 or abra\$4 or grind\$3) same (colloid\$2) same (silica or silicon dioxide or SiO".sub.2" or SiO\$6)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>IBM_TDB | ADJ | ON | 2005/08/13 15:24 |

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| S35 | 3    | S34 and hydroly\$4 same (organosilicon or organo silicon or organic silicon or organic Si) same (colloid\$2) same (silica or silicon dioxide or SiO".sub.2" or SiO\$6)   | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | ADJ | ON | 2005/08/13 15:24 |
| S36 | 386  | S34 and (polish\$3 or abra\$4 or grind\$3) same (pressure or force or load) not S35  | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | ADJ | ON | 2005/08/13 15:24 |
| S37 | 49   | S36 and (pressure or force or load) same glass   | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | ADJ | ON | 2005/08/13 15:24 |
| S38 | 1346 | 51/308.ccls. not S24 not S26 not S28 not S29 not S32 not S35 not S37   | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | ADJ | ON | 2005/08/13 15:24 |
| S39 | 2    | S38 and hydroly\$4 same (organosilicon or organo silicon or organic silicon or organic Si) same (colloid\$2) same (silica or silicon dioxide or SiO".sub.2" or SiO\$6)   | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | ADJ | ON | 2005/08/13 15:24 |
| S40 | 3    | S38 and hydroly\$4 same (organosilicon or organo silicon or organic silicon or organic Si) not S39   | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | ADJ | ON | 2005/08/13 15:24 |
| S41 | 67   | S38 and hydroly\$4 with (silica or silicon dioxide or SiO".sub.2" or SiO\$6) not S39 not S40   | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | ADJ | ON | 2005/08/13 15:24 |
| S42 | 5    | S41 and hydroly\$4 same (silicon or Si) with (organic or polymer) not S39 not S40  | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | ADJ | ON | 2005/08/13 15:24 |
| S43 | 3    | S41 and hydroly\$4 same (silicon or Si) same (organic or polymer) not S42  | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | ADJ | ON | 2005/08/13 15:24 |
| S44 | 12   | (Kesahiro near2 Koike or Junji near2 Miyagaki).in. not S24 not S26 not S28 not S29 not S35 not S37 not S39 not S40 not S42 not S43   | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | ADJ | ON | 2005/08/13 15:24 |
| S45 | 1033 | (polish\$3 or abra\$4 or grind\$3) same (colloid\$2) same (silica or silicon dioxide or SiO".sub.2") same (alkali metal or sodium or potassium or "Na" or "K") not S24 not S26 not S28 not S29 not S35 not S37 not S39 not S40 not S42 not S43 not S44 | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | ADJ | ON | 2005/08/13 15:33 |

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| S46 | 79 | S45 and 51/308.ccls. and (colloid\$2) same (silica or silicon dioxide or SiO". sub.2") same (alkali metal or sodium or potassium or "Na" or "K") | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>IBM_TDB | ADJ | ON | 2005/08/13 15:38 |
| S47 | 19 | S46 and (alkali metal or sodium or potassium or "Na" or "K") same impur\$5   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>IBM_TDB | ADJ | ON | 2005/08/13 15:39 |